

48th Senate Meeting
Additional Agenda Items

1. To consider a proposal for setting up a Department of Economics and discussion on a new B.Tech. Program in Computer Science and Economics and a Master Program in Economics

A proposal has been submitted by the Economics faculty of Social Sciences and Humanities Department of the Institute for (i) setting up a dedicated Department of Economics, (ii) having its own new B.Tech. program under B.Tech CS+X, namely B.Tech. Computer Science and Economics(CSECO) and (iii) having a new Master Program in Economics. As per the concept note submitted by the faculty the proposal for a separate Department of Economics has been made after internal discussions among the faculty and a discussion in institute FM(Minutes placed as Annexures). The rationale, feasibility, and structure are detailed in the attached documents placed at Annexures I-III. The proposal has 3 parts as follow:

- a. Formation of a new Department of Economics (Annexure-I)
- b. Starting a 4-year B. Tech. CS+ Economics program (Annexure-II) - the current proposal is a living document and still being developed.
- c. Starting a 2-year Master in Economics (with focus on computation and mathematics) (Annexure III) – the current proposal is a living document and still being developed.

The attached program documents are under development. The Senate may give its opinion on the feasibility of the programs along the given lines and detailed curriculum and rules will be put up in the next Senate.

2. To consider recommendation of the Academic Affairs Committee (AAC) for creation of an Optimization bucket for both CSAM and CSAI (or any other program)

As per the current regulations of B.Tech CSAI program, in Semester 4 there is a slot having a course named "Optimization". However, the clarity on which optimization course should be offered in this slot is missing

As per information received from the Head, CSAI, "in the discussion of the workshops conducted for CSAI program development, it was discussed to have convex optimization or Linear optimization however, it was recorded in the minutes to offer an 'optimization' course. Given this condition, it may make sense to have an optimization bucket with courses like Convex Optimization (CO) & Linear Optimization (LO)."

In view of the above the AAC members were requested to give their views on the question whether the current slot having "optimization" can be changed to "Convex Optimization (CO)/ Linear Optimization (LO)", to make it clear. During the course of discussions it emerged that there is a similar concern in the B.Tech. CSAM program in which there is a course titled "Optimization/Linear Optimization" in the 6th semester. As there is no course titled "Optimization" at IIT-Delhi, CSAM students take Linear Optimization in this slot. As per the

minutes of the workshops conducted to design the CSAM program, the main intent behind putting "Optimization" in this slot was to offer a general course on Optimization touching its various aspects (Linear, convex, combinatorial, etc.). Linear Optimization was already being offered to CSE students and was suggested as an alternative to take care of the situation if we are unable to design and offer such a course on Optimization.

Keeping in view the above the AAC has recommended for creating an Optimization bucket consisting of courses "Linear Optimization" and "Convex Optimization" for both CSAM and CSAI (or any other program); Currently the bucket will have the two existing courses. Later, whenever a general course on Optimization is designed and is recommended for inclusion in this bucket, the AAC may discuss the same after seeking inputs from all the departments.

Senate is requested kindly to consider and approve the above recommendation of the AAC.

3. To consider the Degree date for the students who are completing M.Tech. in 3 semesters

Academic Affairs Committee(AAC) at its 2nd meeting held on August 12,2020, vide Item no. 15 discussed the degree date for the students who are completing M.Tech. in 3 semesters and observed/recommended as under:

“Ms. Sheetu Ahuja presented the item and apprised the members of the background. It was noted that three degree dates have already been approved, which are applicable on completion of the program by default.

Arising out of discussion, AAC noted that the default degree date will be of June 21 for M.Tech. students. However, the students who are completing their graduation requirements in 3 semesters may request for a grant of degree with January Degree Date. In addition to this, Ms. Sheetu suggested that since this matter is related to grant of degree to the students, the academic section would like to relook the matter carefully with respect to the implementation of the above rule and will present their observations/suggestions in the next AAC meeting.

After a brief discussion, the AAC desired to get the information from the students going on internship and come up with details for further consideration in the next meeting.

In this regard, the Manager (Academics) discussed the matter with the Registrar and confirmed that we can go ahead with the above decision of AAC. Further, after receiving approval from AAC, the item needs the Senate's approval.”

Subsequently, the AAC Chair circulated the above among AAC members for information and comments. As per discussion of the members it has been recommended that we can have a default graduation date in May with a 2-year program duration. In case a student wants to graduate in three-semester, he/she can request for early graduation date as ours is a credit-based program.

Early graduation might be useful for students going abroad for PhD or jobs at the beginning of the winter semester. Even in some NITs, they ask for a degree certificate for contractual positions.

Senate is requested kindly to consider and approve the above recommendations of the AAC.

4. To consider TA allocation Policy and Guidelines recommended by Academic Affairs Committee (AAC)

Academic Affairs Committee (AAC) at its 6th meeting held on October 14, 2020 discussed the TA allotment related points and after detailed discussions recommended the TA allocation Policy and Guidelines as per details placed at **Annexure**.

Senate is requested to kindly consider and approve the TA allocation Policy and Guidelines recommended by the Academic Affairs Committee (AAC).